

Date: Tue, 30 Nov 93 16:30:22 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #1407  
To: Info-Hams

Info-Hams Digest                      Tue, 30 Nov 93                      Volume 93 : Issue 1407

Today's Topics:

                    Aluminum towers  
            Cross-band 2m/220mhz repeaters?  
                Dial/meter marking program  
                Ed Hare has no tie!  
                Info-Hams Digest V93 #139  
            License Datapoints...got it : )  
            Mailer test...ignore, please.  
                Microwave Power Amps  
            Poor Man's Spectrum Analyzer --- comments?  
Repeater calling procedure (Was: Elmers are dead, god help us hams!)  
                Space Shuttle coverage?  
                using a radio off frequency in emergencies  
W5YI's coverage of "temporary callsigns" (2 msgs)  
                WANTED: Inet <-> Packet gateways

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 30 Nov 93 17:49:23 GMT  
From: ogicse!emory!kd4nc!ke4zv!gary@network.ucsd.edu  
Subject: Aluminum towers  
To: info-hams@ucsd.edu

In article <9311291443.AA10891@wa2cjt.wellfleet> ginsburg@wellfleet.COM (Scott  
Ginsburg) writes:

>

>I'm interested in hearing about any good/bad experiences people have had with

>freestanding aluminum towers. I'm considering something like a Universal Mfg.  
>50' tower. I'd probably mount a small tri-bander on it (14 to 18' boom).

Aluminum has a much lower fatigue strength than steel. Towers develop fairly unique vibrational modes depending on particular location and loading. So it's difficult to engineer them to fit any particular fatigue pattern. That means for aluminum that the tower must be heavily over engineered in order to withstand unpredictable fatigue stresses. Most aluminum towers are *\*not\** so over engineered, and those that are are more expensive and larger than a similar steel tower. Aluminum also loses strength as it ages. So aluminum towers generally don't last as long as steel towers. Therefore, I don't recomend aluminum towers. Ordinary galvanized steel towers are usually the first choice, but in highly corrosive environments stainless steel towers are the best choice. Aluminum should only be considered if weight is the only criteria, and that's almost never the case, even for roof mounting.

Gary

--

Gary Coffman KE4ZV	Where my job's going,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	I don't know. It might	uunet!rsiatl!ke4zv!gary
534 Shannon Way	wind up in Mexico.	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-NAFTA Blues	

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Date: Mon, 29 Nov 1993 22:57:58 GMT

From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!sol.ctr.columbia.edu!  
hamblin.math.byu.edu!wicat!keithm@network.ucsd.edu

Subject: Cross-band 2m/220mhz repeaters?

To: info-hams@ucsd.edu

> How many cities and where? I'm curious.....

Utah County ARES in the Orem/Provo Utah area runs one.

--

Keith McQueen, Wicat Systems Inc. , (801)223-3284	My opinions are
Packet: n7hmf @ nv7v.UT.USA.NA	all mine...
Internet: keithm@wicat.com	...so there!

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Date: Mon, 29 Nov 1993 21:41:55 GMT

From: netcomsv!netcom.com!wd6cmu@decwrl.dec.com

Subject: Dial/meter marking program

To: info-hams@ucsd.edu

Does anybody know of a program that will generate Postscript files for printing labels for dials, rotary switches, meters, etc.? I thought I remembered seeing such a thing and I thought I'd check before trying to write one myself. Thanks.

--

Eric Williams | DGC Vincent: MC (B+S)t G+Y 1.2 Y L++ C+ T+ I+++ H+ S++ V+ F++  
wd6cmu@netcom.com | Murphy: DS W+(B+R)t+R Y 1.3 Y L C+ T- I+++ H+ A+ F+ B--  
WD6CMU@WD6CMU.#NOCAL.CA.USA.NA

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Date: Tue, 30 Nov 1993 01:07:40 GMT  
From: world!dts@uunet.uu.net  
Subject: Ed Hare has no tie!  
To: info-hams@ucsd.edu

In article <2650@arrl.org> ehare@arrl.org (Ed Hare - KA1CV) writes:  
>In rec.radio.amateur.misc, hellman@cbnewsm.cb.att.com (eric.s.hellman) writes:  
>

>>Yesterday I visited the ARRL in Newington and met Ed Hare in his  
>>office. He could not produce even one tie! (There was a rumpled  
>>sport jacket hanging behind the door).

>  
>>Thanks, Ed, for the nice visit.

>  
>>Shel WA2UBK      dara@physics.att.com  
>

>My pleasure, Shel. I am always pleased when one of my friends on  
>r.r.a. stops by to say "hello" when they are here in CT.

>  
>Now, about the tie --- I can explain. You see, the legend of my tie  
>is greatly exaggerated! I ONLY wear a tie when I go to do a club talk,  
>or when we are having important visitors. That is why it was so

Oh, NOW I'm insulted :-). We (KC1SP, N1JIT, WA1RHP and I) were not IMPORTANT  
visitors??? :-) We'll just have to see what happens on our next trip to  
Newington!

>horrifying when my tie was ripped from my neck when I did my  
>talk in western Massachusetts (by WA1RHP -- a longtime usenet denizen)!  
>Of course, it was okay, because this evil deed was perpetrated by  
>a friend, but ... if this is how I am treated by my friends, how horrible  
>it will be if I am ever mistreated by an enemy! :-)

>  
>However, there is a bit more to the story! About a year ago or so I  
>was suddenly siezed by a tie madness. I went out and purchased about  
>two or three hundred ties, mostly at vintage clothing stores. They  
>represent the best of several decades of tie wearing! I will select one

>for you and send it as a souvenir of your visit to HQ. You might even  
>dare to wear it in front of your boss!

 $\succ$ 

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>Glad you stopped by! It was nice to meet you.
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 $\succ$ 

>73 and Happy Holidays from ARRL HQ, Ed -- KA1CV

>

> - - - -

>Ed Hare, KA1CV                      ehare@arrl.org

>American Radio Relay League

>225 Main St.

>Newington, CT 06111

>(203) 666-1541 - voice

>ARRL Laboratory Supervisor

## >RFI, xmtr and rcvr testing

> - - - - -

If you tie a strip of colored cloth to part of your body, the tribe acts differently!

— —

Daniel Senie

Daniel Senie Consulting

508-365-5352

Internet: [dts@world.std.com](mailto:dts@world.std.com)

n1jeb@world.std.com

Compuserve: 74176,1347

Date: 30 Nov 93 13:01:00 GMT

From: news-mail-gateway@ucsd.edu

Subject: Info-Hams Digest V93 #139

To: [info-hams@ucsd.edu](mailto:info-hams@ucsd.edu)

-> Speaking of WSSH, has anyone in the Boston area had any intermittent  
-> reception problems during any of the above mentioned shows (like  
-> their transmitter loses power for a period of time), or is it just  
-> me?

Yes, it has been happening alot.

Most noticeably on the 28th -- when the loss lasted about 20 minutes! Sigh!

Date: Mon, 29 Nov 1993 20:00:54 GMT

From: munnari.oz.au!uniwa!harbinger.cc.monash.edu.au!msuinfo!agate!

howland.reston.ans.net!newsserver.jvnc.net!yale.edu!cs.yale.edu!

csusys.ctstateu.edu!white@network.ucsd.edu

Subject: License Datapoints...got it : )

To: [info-hams@ucsd.edu](mailto:info-hams@ucsd.edu)

The long-awaited envelope arrived today....7 weeks and 1 day  
after the test (Oct 10).... It's an honor to join the ranks  
of amateur radio operators.

73s

+----- - - - - - - - - - +-----+

Harry White white@sleepy.ctstateu.edu white@csusys.ctstateu.edu  
N1QVE Central Connecticut State University, New Britain, CT 06050

- - - - + - - - -

"The real meaning of the word \_educate\_ is \_to lead the way out\_." -Anais Nin

+----- - - - - - - - - - +-----+

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Date: Mon, 29 Nov 1993 20:35:39 GMT  
From: munnari.oz.au!uniwa!harbinger.cc.monash.edu.au!msuinfo!agate!  
howland.reston.ans.net!newsserver.jvnc.net!yale.edu!cs.yale.edu!  
csusys.ctstateu.edu!white@network.ucsd.edu  
Subject: Mailer test...ignore, please.  
To: info-hams@ucsd.edu

mailer test

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Date: Tue, 30 Nov 1993 00:08:34 GMT  
From: munnari.oz.au!uniwa!harbinger.cc.monash.edu.au!msuinfo!uwm.edu!  
vixen.cso.uiuc.edu!howland.reston.ans.net!math.ohio-state.edu!darwin.sura.net!  
fconvx.ncifcrf.gov!fcs260c!mack@network.ucsd.  
Subject: Microwave Power Amps  
To: info-hams@ucsd.edu

In article <CH9ItM.539@ncifcrf.gov> mack@fcs260c.ncifcrf.gov (Joe Mack) writes:

Sorry about the first posting which was missing some things...  
Jeff Kruth has TWTs and solid state amps from 3-10GHz. They are used  
and he tests them to see which are OK. His guarantee is that they will  
work on arrival. He trades and sells surplus stuff in this area. I don't know  
much about hi except that no-one has complained about stuff they get  
from him.

> Jeff Kruth  
> K-MEC  
> 2600 Cabover Dr, Suite H  
> Hanover MD, 21076  
> (410)-768-6666

>  
> Joe NA3T  
> mack@ncifcrf.gov  
>  
>  
>  
Joe NA3T  
mack@ncifcrf.gov

-----  
Date: 30 Nov 93 14:20:36 GMT  
From: ogicse!uwm.edu!caen!saimiri.primate.wisc.edu!mimbres.cs.unm.edu!nmt.edu!  
bateman@network.ucsd.edu  
Subject: Poor Man's Spectrum Analyzer --- comments?  
To: info-hams@ucsd.edu

I am considering buying the kit(s) for the Poor Man's Spectrum Analyzer  
from Science Workshop.

Has anybody had any experiences with this unit (in either building or  
operating)?

Any comments appreciated!

Please e-mail: bateman @ nmt.edu

Thanks,

Monte

--

=====

Dr. Monte Bateman -- Physics PostDoc		InterNet: bateman @ nmt.edu
Langmuir Laboratory for		Amateur Radio: WB5RZX
Atmospheric Research,		
New Mexico Institute of Mining		
and Technology, Socorro, NM		

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Date: 30 Nov 1993 00:11:55 GMT  
From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!math.ohio-state.edu!  
magnus.acs.ohio-state.edu!csn!col.hp.com!bobw@network.ucsd.edu  
Subject: Repeater calling procedure (Was: Elmers are dead, god help us hams!)  
To: info-hams@ucsd.edu

Brian Battles WS10 (bbattles@arrl.org) wrote:

: I believe the pamphlet you're referring to is Welcome to Amateur Radio,  
: which I wrote (sent by the ARRL free to all new Amateur Radio licensees).  
: Here's the lowdown:

: The information was taken from personal experience and extensive  
: contact with friends, ARRL officials and many various "random"  
: repeater owners and users around the US over a few years. The use of  
: "WS10 monitoring" or "WS10 listening" is essentially the de facto  
: standard way of announcing that you're on the machine and would enjoy  
: a QSO. Calling CQ is in no way "expressly verboten," it's just generally  
: considered substandard operating procedure on VHF repeaters (as is the  
: use of Q signals and CW abbreviations, eg, XYL, HI, etc).

: You can call CQ, but I'd bet that most hams--especially those with  
: some experience--would take you for, at best, an uninformed newcomer  
: or, at worst, a lid. Then, depending on the other hams' attitudes,  
: they'd either politely instruct you or rudely rag you out. 8-)

Negativo, Senor.

Clearly, the use of a LLLLL0000NNNNGGGGG CQ is inappropriate on  
VHF repeaters but in some parts of the woods a single "CQ" is  
accepted as just fine. Often "monitoring" gets interpreted as  
"I am here if you really wanted to call me but I'm not actively  
looking for a contact."

Different strokes...

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

-----  
Date: 30 Nov 93 21:00:41 GMT  
From: ogicse!emory!gatech!howland.reston.ans.net!paperboy.amoco.com!apctrc!  
zrmo05@network.ucsd.edu  
Subject: Space Shuttle coverage?  
To: info-hams@ucsd.edu

Does anyone know the frequencies which carry the Space Shuttle  
launch? I seem to recall that an amateur radio group at JSC  
broadcast the missions but don't remember more than that.

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Date: Tue, 30 Nov 1993 00:22:45 GMT  
From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!usenet.ins.cwru.edu!  
news.ecn.bgu.edu!willis1.cis.uab.edu!right.dom.uab.edu!user@network.ucsd.edu  
Subject: using a radio off frequency in emergencies

To: info-hams@ucsd.edu

I was looking at the Amateur radio news postings and came across an article about an amateur that was in a remote area who had an injured friend. The story went that after trying several repeaters without success and trying to use a cellular phone without success, he called for help on a police frequency. He was forced to forfeit his radio when the sherriffs department complained. The story goes on from there, and the FCC, the ham, and the Sherriffs office will be meeting in court.

I was wondering what is the correct thing to do if one has a radio that can transmit outside of amateur bands and a real, life threatening emergency arises. I thought there was a rule about amateurs being authorized to use any radio at their disposal if normal communications were not available when there was a life threatening emergency. Has anyone any advice on what one should do if a similar event happened to me? No legal advice expected, just interested on what the folks on the net may have to say.

Reply to rec.radio.radio.amateur

Steve Holland

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Date: 30 Nov 93 17:05:35 GMT  
From: mnemosyne.cs.du.edu!nyx10!jmaynard@uunet.uu.net  
Subject: W5YI's coverage of "temporary callsigns"  
To: info-hams@ucsd.edu

[This belongs in .policy; crossposted, and followups redirected.]

In article <CHBBzq.9HJ@cup.hp.com>, Jim Hollenback <jholly@cup.hp.com> wrote:  
>I personally can not see one reason for not adopting the proposal. Currently  
>we allow instant access to new privileges on upgrading, why not access to  
>the privileges when first obtaining a license?

Verification. How do I know that WZ5RFB is legit? I can find out, at least, who belongs to KC5CZR; that's not the case with the temporary calls.

I understand the problem the FCC, and new hams, face...but, like every knotty problem, it has a simple and easy-to-understand wrong answer. The FCC has come up with exactly that.

They're already going to upgrade their systems; let's get that in place, as well as improving their work flow, and perhaps even let the VECs do more of the work. If we can't get the turnaround time under two weeks, something's horribly wrong. That is the right answer.



--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can  
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.

"The road to Usenet is littered with dead horses." -- Jack Hamilton

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Date: 30 Nov 1993 07:41:20 -0500

From: noc.near.net!genrad.com!genrad.com!not-for-mail@uunet.uu.net

Subject: W5YI's coverage of "temporary callsigns"

To: info-hams@ucsd.edu

I just got my most recent W5YI Report, and of course I had to read it before anything else. One of the articles disturbed me and I was curious what others think.

He (Fred Maia, W5YI, for those of you who don't know) described a new petition that has been before the FCC for awhile (after a new ham passes his tests, he can immediately start talking on the radio by using the callsign "WZ" plus call area number plus his initials. This would be good for 12 weeks or until he gets his real callsign). He said that he looked at some of the letters that had been coming in to the FCC on this subject, and then he printed portions of some of these letters.

The thing that bothered me was that EVERY ONE OF THE LETTERS described why this proposal would NOT be good for ham radio. Not a single one described any reason why this proposal would be good for ham radio. Now, it may be true that this proposal IS NOT GOOD for ham radio (I do not offer an opinion). But, the fact that the proposal is before the FCC must indicate that at least ONE PERSON saw it as beneficial, and possibly more than one. Do the people who support this proposal NOT send letters to the FCC? Or is Fred's article simply biased because he does not like the proposal, so he's only reporting a one-sided argument?

I'm curious as to what others think of this article. Am I being too sensitive?

Diana

--

->Diana L. Carlson dls@genrad.com Ham: KC1SP (Sweet Pea) <-  
->I'D RATHER BE FLYING! P-ASEL, INST CAP: CPT, Freedom 690M, MAWG<-  
->GenRad, 300 Baker Ave MS/1, Concord, MA 01742 (508)369-4400 x2459 <-

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Date: Mon, 29 Nov 1993 23:01:59 GMT  
From: pacbell.com!sgiblab!spool.mu.edu!howland.reston.ans.net!noc.near.net!lynx!  
chaos.dac!wylz@network.ucsd.edu  
Subject: WANTED: Inet <-> Packet gateways  
To: info-hams@ucsd.edu

I want to compile as complete a listing/library as possible of all the  
different Internet <-> packet gateways and instruction on how to use  
them.

When I have received the information, I will place all the messages  
into the Boston Amateur Radio Club's FTP area on the World Public  
Access Internet system (see my .sig below).

Thanks much in advance!

73,  
Scott

--

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=====
| Scott Ehrlich           Internet: wylz@neu.edu           |
| Amateur Radio: wylz      AX.25: wylz@n0ary.#nocal.ca.usa.na |
|-----|
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| the World - world.std.com /pub/hamradio |
=====
```

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Date: 29 Nov 1993 16:22:33 -0800  
From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!math.ohio-state.edu!  
news.cyberstore.ca!vanbc.wimsey.com!vanbc.wimsey.com!not-for-mail@network.ucsd.edu  
To: info-hams@ucsd.edu

References <931128034939811@pubcon.fort-worth.tx.us>, <D>,  
<1993Nov29.210113.8647@merlin.dev.cdx.mot.com>ne  
Subject : Re: DSP units

With spelling like that, you get lousy sentence structure.  
("That" is ".... like this your asking ...) [We all assume you mean  
"You're" or "You are"]

/Mark

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Date: 30 Nov 93 17:14:55 GMT  
From: ogicse!emory!europa.eng.gtefsd.com!howland.reston.ans.net!spool.mu.edu!  
news.nd.edu!mac13@network.ucsd.edu  
To: info-hams@ucsd.edu

References <754583670.19snx@mu.apana.org.au>,  
<Nov29.194927.39093@yuma.acns.colostate.edu>, <4926@eram.esi.com.au>  
Subject : Re: Calculating SWR

In article <4926@eram.esi.com.au>, dave@eram.esi.com.au (Dave Horsfall)  
wrote:

>  
> In article <Nov29.194927.39093@yuma.acns.colostate.edu>,  
> galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:  
>  
> | >I am not trying to be mean, but did you sit a radio theory test for your  
> | >amateur license ?  
> |  
> | Yes, he did. SWR formulae are not on amateur tests in America.  
>  
> Notwithstanding the fact that I distinctly remember seeing that formula  
> on my own exam (in Australia) and no doubt getting it wrong, don't they  
> teach you to look up a reference book over there?  
>  
> This is getting to be like sci.electronics; can anyone tell me what  
> the pinout of a 555 is?  
>

The whole point is that this is NOT an electronics newsgroup, but rather a  
newsgroup for amateur radio operators, not all of whom have--or even need  
to have--a detailed understanding of how the equipment they operate  
actually works. When such a person does express an interest in a technical  
matter, one might hope that those whose specialities center around  
technical aspects of the hobby would respond with encouragement, or if that  
is impossible, politeness. Fortunately, I can state that my own questions  
in this newsgroup have been answered with unfailing courtesy.

In this same vein, I will admit my surprise, after sitting for all the U.S.  
amateur radio examination elements, that there was such an emphasis on  
electronics, and so very little concerning public service, disaster  
readiness, first aid procedures, emergency traffic handling, and so on. If  
we are really intended to be a provider of alternative communications  
services in times of national emergencies or local disasters, surely such  
knowledge is at least as important as the ability to homebrew a radio. But  
for some odd reason these topics are left almost entirely to specific  
organizations, while EVERYONE is required to have a general knowledge of  
electronics. Surely both are important. And maybe we could do more to test  
normal operating procedures as well.

Charles R. Hohenstein  
N9SQE

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Date: Tue, 30 Nov 1993 12:07:31 GMT  
From: swrinde!menudo.uh.edu!uuneo!sugar!jreese@network.ucsd.edu  
To: info-hams@ucsd.edu

References <2651@arrl.org>, <9311292209592.gilbaronw0mn.DLITE@delphi.com>,  
<williams.754643364@maui>  
Subject : Re: Repeater calling procedure (Was: Elm

In article <williams.754643364@maui> williams@maui.qualcomm.com (Paul Williamson)  
writes:

>  
>Interesting you should say that. I had to read the rest of the paragraph  
>to figure out what \*you\* think it means.

>  
>I was once active on a repeater in southeast Texas where "monitoring"  
>meant "I'm a control operator and I'm in charge here", and ordinary  
>users were strongly discouraged from saying it. We were supposed to say  
>"listening" instead.

...Sounds like ECHO .09 :)

What I've always told people is that they should use a radio just like they  
would a telephone. You wouldn't say "The Personal is Jim" on the phone,  
don't do it on the radio...it just sounds silly there.

--

Jim Reese, WD5IYT | "I can do more in two minutes than Rush can in  
jreese@sugar.neosoft.com | three hours" --Jim Hightower

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End of Info-Hams Digest V93 #1407

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